

APPENDIX H

EMERGENCY OPERATIONS AT THE BONNEVILLE SECOND POWERHOUSE

ADULT FISH FACILITY

EMERGENCY OPERATIONS AT THE BONNEVILLE SECOND POWERHOUSE ADULT FISH FACILITY

This table was prepared for the *Bonneville Second Powerhouse AWS Backup Design Documentation Report (DDR)* and is designed for inclusion in the *Fish Passage Plan (FPP)*. The emergency operations table provides a guide for configuring turbine flows, floating orifices, diffuser gates, and main gates during emergency situations when one of the Bonneville Second Powerhouse (B2) fish turbines has failed or been taken out of service. Many model runs using the *Bonneville Second Powerhouse Fishway Numerical Model* were analyzed in order to determine the optimal operational configuration for the range of tailwater elevations experienced at the fishway entrances. Table H-1 presents the recommended settings for each tailwater elevation.

Table H-1. Emergency Operations Table for PH2 AWS Systems Operation.

TW (ft)	Turbine MW	Turbine Q (cfs)	Floating Orifice Gates Closed	South "B" Diffuser Gates Closed	Power- House Diffuser Gates Closed	Main Entrance Gates Closed
8	13.90	2950	All	B3-8	C1-5	None
9	13.95	3010	All	B3-8	C1-5	None
10	14.05	3090	All	B3-8	C1-5	None
11	14.15	3165	All	B3-8	C1-5	None
12	14.20	3230	All	B3-8	C1-5	None
13	14.40	3340	All	B3-8	C1-5	None
14	14.40	3400	All	B3-8	C1-5	None
15	14.60	3520	All	B3-8	C1-5	None
16	14.30	3515	All	B3-8	C1-5	None
17	14.20	3560	All	B3-8	C1-5	None
18	14.00	3575	All	B5-8	None	NU-E
19	13.60	3535	All	B5-8	None	NU-E
20	13.30	3520	All	B4-8	None	NU-E
21	13.00	3510	All	B4-8	None	NU-E
22	12.70	3505	All	B4-8	None	NU-E
23	12.40	3505	All	B4-8	None	NU-E
24	12.20	3535	All	B4-8	None	NU-E
25	11.60	3535	All	B4-8	None	NU-E
26	11.10	3365	All	B4-8	None	NU-E
27	10.60	3285	All	B4-8	None	NU-E
28	10.00	3160	All	B3-8	None	NU-E